unifier™

URC-100

Owner's Manual

THE POWER OF SIMPLE.™

FINALLY, A REMOTE ANYONE CAN PROGRAM!

(✹) Universal Remote Control®

Thank You!

Thank you for purchasing the Unifier™ URC-100 Pre-Programmed and Learning Remote Control. The Quick Setup DVD tutorial supplied with the Unifier demonstrates the process of setting up and automating a home entertainment system. Watch the DVD first to familiarize yourself with the capabilities of the Unifier and the process of setup. This manual is designed to assist you step-by-step as you setup the Unifier to replace all of your remote controls and automate your home entertainment system.

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Getting Started

Congratulations!

You've purchased one of the most advanced and easy to setup remote controls ever made. The Unifier's built-in library includes thousands of different brands and models of remote controls. In most systems, all you have to do to setup the Unifier is enter which brands and models you own. If you own a component too new to be in the library, the Unifier uses advanced DoubleTap™ learning technology to quickly set each Unifier button, one at at time. Setting up your Unifier to replace all your existing remote controls can be done in a few minutes. Basic Setup is described on pages 5 to 12.

The Unifier's exciting advanced features automate and customize operation in many ways. You could use Macro Setup to power on all of your components and start the show with the press of one button! With the Unifier's unique macro capability you can automate the most complex home theater system. Any of the names on the display can be edited as you like. It is best to delay any Advanced Setup (described on pages 15 to 22) until after you finish Basic Setup.

Battery Installation

Remove the battery compartment cover by pressing up the cover lock. Insert four AAA batteries into the battery compartment as shown in the diagram.

Button Layout

DISPLAY

LIGHT Button

DEVICE Buttons

SHIFT Button

FUNCTION Buttons

3
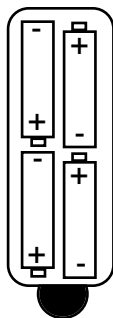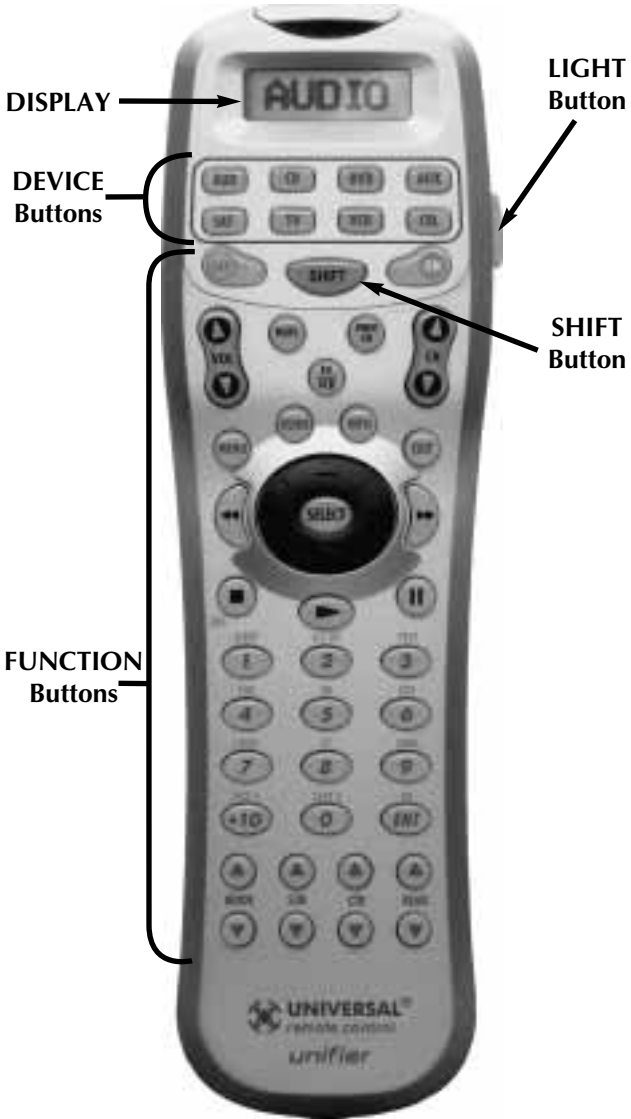
Selecting a New DEVICE Changes
All Button Commands Instantly

The Unifier can operate eight different devices even though it is only one remote control. Let's try it now! Press the CABLE DEVICE button. The top of the screen changes to CABLE. Now all of the buttons of the Unifier operate a Cable box. To operate any of the other devices, simply press one of the eight device buttons.

SHIFT Button

CABLE DEVICE Button

The SHIFT Button

Press SHIFT to access a second command for each button. While the Unifier is in SHIFT mode, the display will blink. If you don't press a button within ten seconds, the Unifier will timeout and return to normal operation. The orange button labels indicate some of the commands available when you are in SHIFT mode.

Note: The AUDIO device has unique SHIFT functionality. It can issue input commands to your A/V Surround Sound receiver by pressing the DEVICE buttons after SHIFT is selected.

Light Button

Press the LIGHT button to backlight all the buttons. To turn off the backlighting, press the LIGHT button again, or just wait ten seconds (the backlighting automatically shuts itself off).

LIGHT Button
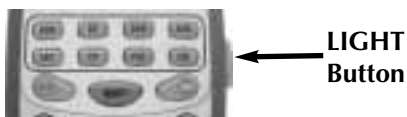
Basic Setup

You can start setting up your Unifier using either the Pre-Programmed Method or the Learning Method. However, all the buttons of the Unifier are setup at once with the Pre-Programmed Method, so it is usually faster than the one-button-at-a-time Learning Method.

Pre-Programmed Method

1 Power on the A/V component you wish to setup, so that you can test codes by sending power off commands.

2 Refer to the pre-programmed code tables on pages 25 - 46 and write down the code numbers listed for your A/V component. The code numbers are listed by categories of devices, then by brand. See page 25 for a category list.

3 Press and hold both the SHIFT and ENT (Enter) buttons for approximately three seconds. The top of the display will blink "SET" then one of the eight device names. You are in SETUP mode now.

Note: You have 30 seconds to perform a step while you are in SETUP mode. If you don't press a button within that time, the Unifier will time out and return to normal operation.

SHIFT Button

ENT Button

④ Choose the name of the device you'd like to setup. Use the cursor LEFT or RIGHT buttons to change the flashing name.

For Example: I wanted to setup the TV Device button first, so I pressed the cursor LEFT or RIGHT until "TV" was flashing on the display.

LEFT ——————→   ←—————— **RIGHT**

⑤ Point the Unifier at the component, then enter the first three digit code number from your notes using the numbered buttons. After you enter each three digit code number, look at the component to see if it turned off.

Using the numbered buttons, enter the 3 digit code number.
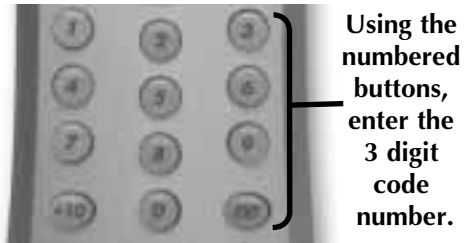
Continue to enter code numbers until the component powers off.

For Example: I have a Sony TV. I found the code numbers 070, 139,147, 126, 185, 194 and 085 under Sony in the TV TABLE. Using the numbered buttons on the Unifier, I entered 070 and looked at the TV. It didn't turn off, so I entered 139, then 147 and so on, until I found the code that powered off the TV.

6   When the component turns off, save the code
    number you entered by pressing the LIGHT button.

**LIGHT
Button**

The Unifier responds by flashing SAVED on the
display twice, then returns to normal operating
mode.

7   When the display shows a device name, you are
    back in normal operating mode. Now it's time to
    test all the buttons. If some buttons don't work, try
    repeating steps 1-6 with the remaining code
    numbers, to see if you can improve the match to
    your component.

*For Example: My Sony TV powered off with TV code
number 147. However the number buttons didn't work
when I tested them. So, I repeated steps one to six, using
other code numbers and eventually discovered that when
code number 185 is set, all the buttons work perfectly.*

8   Repeat steps one through seven for each of your
    devices. In most systems, you can finish basic
    setup in just a few minutes and put all your old
    remote controls away.

Learning Method

The Unifier can learn commands from your old remote controls one-button-at-a-time by following these simple steps:

1 Line-up the Unifier with your old remote control, head-to-head, one or two inches apart.

2 Press and hold both the desired DEVICE button and the SELECT button for approximately three seconds. The top of the display will show "LEARN". You are in LEARN mode now.

Note: You have 30 seconds to perform a step while you are in LEARN mode. If you don't press a button within that time, the Unifier will time out and return to normal operation.


DEVICE Buttons

SELECT Button

8
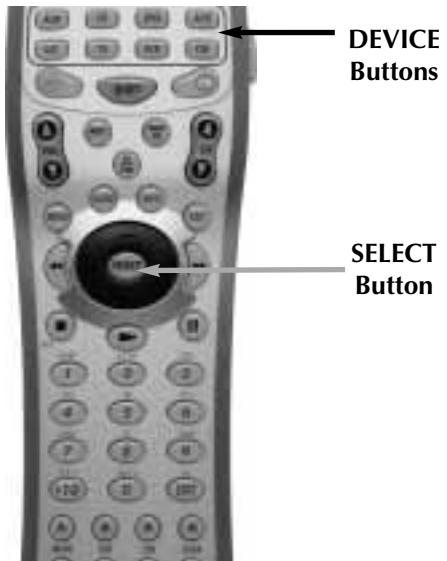
3 Press any button you want to teach a command to.

Press any Button.
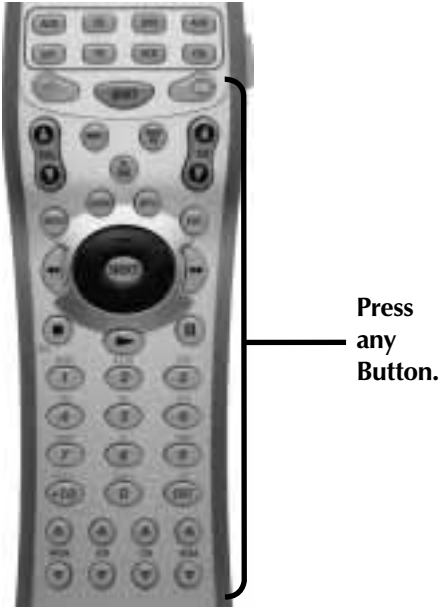
Once you press a button, the top of the display will change from "LEARN" to "READY".

READY

SHIFT Functions: You can teach a second additional command to a button by pressing the SHIFT button, then pressing the button you want to teach. Additionally, using the SHIFT button, you may teach commands to the DEVICE buttons themselves (on AUDIO only). Select the AUDIO device in Step 2, press SHIFT and then the Device button you want to teach.

4 Press and hold the button on your old remote control until the display changes to "RETRY".

RETRY

5 Press and hold the same button on your old remote control once again.

The Unifier's unique DoubleTap learning technology ensures compatibility with the widest variety of remote controls ever!

6 Once you have taught the button twice, the display will change to either "GOOD" or "FAILED".

GOOD

If the "GOOD" label appears on top of the display and "SAVED" flashes on the bottom, you were successful. Now, press the next button you wish to teach (repeating steps 3 through 6 until you have learned all the buttons you want).

FAILD

If the "FAILED" label appears on top of the display, try to teach the same button in Unifier once again by repeating steps 3-6.

7 Once you completed teaching all the buttons, save your work and return to normal operation by pressing the LIGHT button. Test all your new commands. If any of them don't work, try learning again using these notes:

Move to another room. Plasma TVs, sunlight, halogen or quartz lighting can interfere with the learning process.

Although the old remote control seems to work fine, change the batteries to fresh alkaline batteries.

Vary the distance between the remote controls gradually. Try 1/4", 1", 2" and so on, up to 4 feet.

Tap the button on the original remote control instead of pressing and holding it during the learning process.

Volume Control Punch Through

In most home entertainment systems, the sound volume is only controlled by one device. In some systems, it is the TV speakers that make the sound, so you would use the TV device on the Unifier to raise and lower the volume. In another system, it might be a surround sound receiver and speakers that control the sound, so you would use the Unifier's AUDIO device to adjust the volume. Constantly switching the Unifier to TV or AUDIO to adjust the volume is inconvenient in daily life.

You can use Punch Through to set the Unifier's volume buttons to always control the sound in your system. That way when the Unifier is set to VCR or DVD, the volume up, down and mute buttons will work perfectly without switching back to AUDIO or TV. Here's how:

1 Press and hold both the DEVICE button that doesn't have volume control commands yet and the MUTE button for about three seconds.

For Example: You want to make the DVD volume buttons control the sound. Press and hold DVD and MUTE.

DEVICE Buttons

Mute Button

Note: You have 30 seconds for each step, otherwise the Unifier will time out automatically.

2 The Unifier displays SET in the display.

SET

3 Press the SHIFT button. The Unifier displays PUNCH in the display.

PUNCH

4 Press the Volume Up button. The display confirms by displaying "VOL". This sets up the group of three buttons (Volume Up, Volume Down and Mute) in one action!

VOL

5 Press the Device button for the device that has the Volume control commands you want (i.e., TV for systems using the TV speakers, AUDIO for systems with surround sound receivers). The bottom of the display will flash "SAVED".

The Unifier will flash the device's name twice and return to operating mode.

6 Repeat steps 1-5 until all your other devices (VCR, CABLE, CD, etc.) operate the volume perfectly.

Note: The Punch Through feature is not limited to volume and can also be applied to other groups of buttons. If you find yourself switching to a particular device frequently to use a group of controls, consider using Punch Through for another group, as listed here:

VOL - Volume Up, Volume Down and Mute
CH UP- Channel Up, Channel Down and Prev. Channel
PLAY - Play, Stop, Pause, Rewind and Fast Forward
GUIDE - Guide, Menu, Info, Exit, Up, Down, Left, Right, Sel
POWER On - Power On and Power Off

Advanced Setup

After you've finished all your basic setup, you can choose to make operation easier by customizing the Unifier just the way you want, using the Advanced Setup features described in this section.

Own Two VCR's?
Set Aux to be VCR2

Any device button can be setup for ANY type of component (for example, you can make the AUX device button operate a second VCR). To setup a device button for a different type of component, use these steps:

1 Power on the A/V component you wish to setup, so that you can test codes by sending power off commands.

2 Refer to the pre-programmed code tables on pages 25 - 46 and write down the code numbers listed for your A/V component.

3 Press and hold both the SHIFT and ENT (Enter) buttons for approximately three seconds. The top of the display will blink "SET" for a moment.
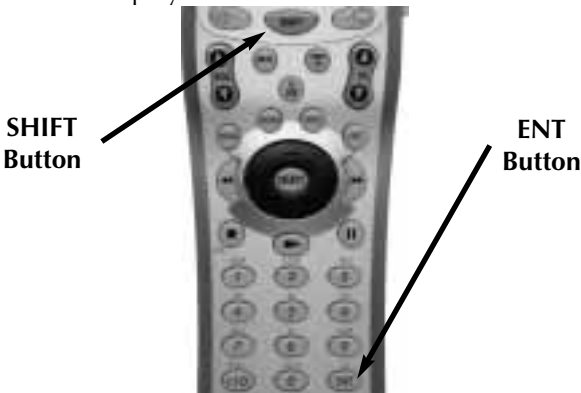
SHIFT Button

ENT Button

Note: You have 30 seconds for each step, otherwise the Unifier will time out automatically.

4 In this step you choose the name of the device you'd like to setup. Use the cursor LEFT or RIGHT buttons to change the flashing name.

For Example: I want to setup AUX as my second VCR, so I press the cursor LEFT or RIGHT until "AUX" appears in the display.

LEFT —————————————————— **RIGHT**

5 Press the MUTE button, then use the left and right buttons to select the type of component you plan to operate with this device button.

For Example: I want to operate a VCR, so I press the cursor LEFT or RIGHT until "VCR" appears in the display.

Note: Each name that appears in the display may include several types of components. For example, the SAT category includes Digital Video Recorders like those from TiVo and Replay. See page 25 for a list of component types each Code Table contains.

6 Point the Unifier at the component, then enter the first three digit code number from your notes using the numbered buttons. After you enter each three digit number, look at the component to see if it turned off. Continue to enter code numbers until the component powers off.

7 When the component powers off, save by pressing the LIGHT button. The Unifier responds by flashing SAVED on the display twice, then returns to normal operating mode.

Editing Device Names

The Unifier can display your own custom names for each of the eight device buttons. For example, you can rename AUX to "LIGHTS" or SAT to "DISH", etc.

1 Press and hold both the device button you want to rename and the ENT button for about three seconds.

Note: You have 30 seconds for each step, otherwise the Unifier will time out automatically.

Device Buttons

ENT Button
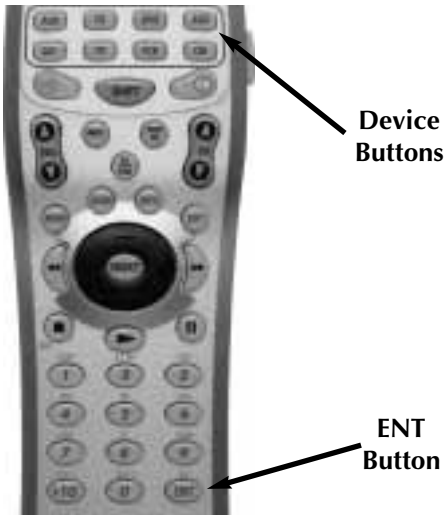
The Unifier flashes EDIT in the display.

EDIT

2 Then the old device name appears, with the first space/character blinking on and off:

UDIO

3 Change the character by using any of the number keys. Each press of the same number button selects the next character of that number's group, as shown below.

A,B,C,1	D,E,F,2	G,H,I,3
J,K,L,4	M,N,O,5	P,Q,R,6
S,T,U,7	V,W,X,8	Y,Z,9

```
0 ! ▶◀▲▼■ II▶▶ ◀◀
# & ( ) + - . / _ "
```
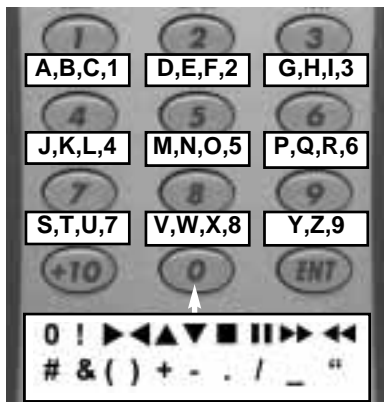
4 Once the character you want appears, move to the next space by pressing the RIGHT cursor button.

**UP Cursor
button deletes ALL text.**

**LEFT Cursor
button
moves blinking
character left.**

**RIGHT Cursor
button
moves blinking
character right.**

**DOWN Cursor
button deletes the currently
blinking character.**
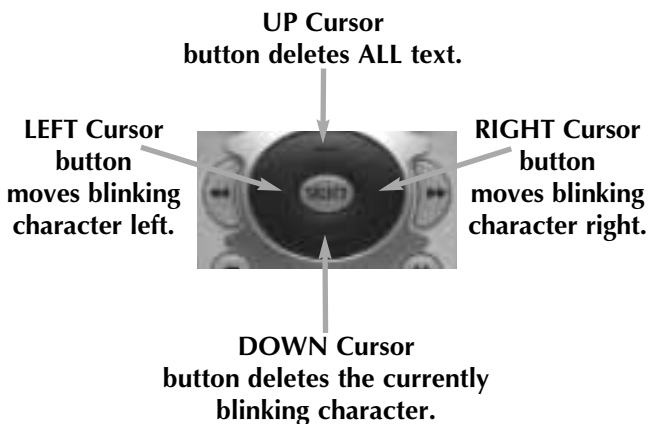
5 Press the LIGHT button to save changes.

Macro Button Setup

Imagine turning on your TV, your DVD player and your surround sound receiver by pressing a single button on your Unifier! What would normally take three remotes and three button pushes, the Unifier can accomplish with the press of one button. We call that a "Macro". Any of the Power On or the Power Off buttons (on any Device) and all eight of the Device buttons themselves can be set to be Macro buttons!

To setup a macro button, follow these easy steps:

① Press and hold both the desired DEVICE button and the MUTE button for three seconds.

For Example: If you want to make the DVD Power On button a macro button, press and hold DVD and MUTE.
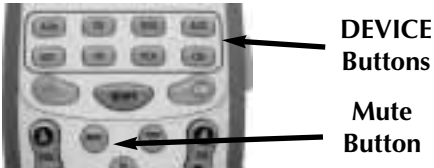
DEVICE Buttons

Mute Button

The Unifier displays SET in the display.

SET

Note: You have 30 seconds for each step, otherwise the Unifier will time out automatically.

② Press the button you want to be a macro. The Unifier screen changes to the macro step display:

ID

Number of Steps

M1 ##
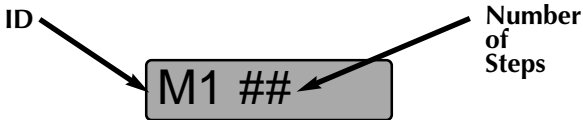
3 Navigate to the device that has a button you want in your macro using the DEVICE buttons. Then press the button with the command you want. Whenever a button is pressed, another Macro step is counted and displayed on the screen.

Don't worry about the number of steps. Each macro button can store up to 50 steps, so you are not likely to run out of steps!

Note: You can program delays in between commands by pressing the PAUSE button. Each press adds half a second to the delay.

PAUSE Button

4 Press the LIGHT button to save your macro. The Unifier will flash SAVED twice in the display.

Advanced Options:
You can setup a DEVICE button to be a macro by pressing Audio and Mute for 3 seconds. Once the display says SET, press the Device button you wish to set as Macro button. Then follow steps 3 and 4 to setup the macro.

Another option for DEVICE button macros is to only send the macro if the button is pressed and held. This is setup by entering a delay as the first step of the macro. The amount of delay determines how long the user must press the button before the macro is sent. The advantage of this option is that a normal press of the DEVICE button will simply switch devices without issuing the macro.

Overview of Erasing

You can erase an individual button with a learned command, a macro or a favorite channel. You can erase an entire Device's learned command or macro buttons. You can also erase ALL your learned commands on all devices or all your macros or favorite channels everywhere.

If you really want a fresh start, it is possible to reset everything to the factory default condition.

Erasing One Learned Command

1 Press and hold both the device button where the command is stored and the SELECT button for three seconds.

> **Note:** You have 30 seconds for each step, otherwise the Unifier will time out automatically.

Device Buttons

SELECT Button
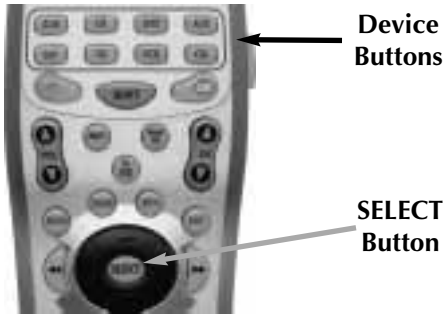
The Unifier display changes to:

LEARN

2 Press and hold the button you'd like to erase for two seconds. The display will flash ERASE, CLEAR, then return to LEARN.

3 Press the LIGHT button to save.

Erasing All Learned Commands in One Device

1 Press and hold both the Device button where the command is stored and the SELECT button for three seconds.

Note: You have 30 seconds for each step, otherwise the Unifier will time out automatically.

Device Buttons

SELECT Button
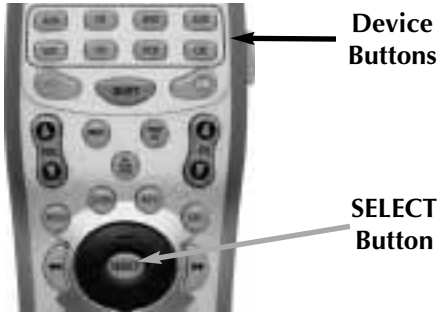
The Unifier display changes to:

LEARN

2 Press and hold both the DEVICE button you'd like to erase and the PAUSE button until the display flashes ERASE nine times, followed by CLEAR, then release the buttons and the Unifier returns to normal operating mode.

DEVICE Buttons

PAUSE Button

20
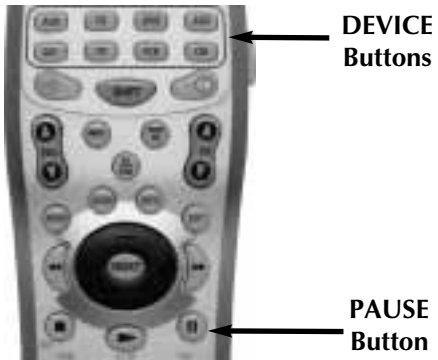
Erasing All Learned Commands in ALL Devices

Press and hold both the POWER ON and the STOP button for ten seconds.

**POWER
ON
Button**

**STOP
Button**
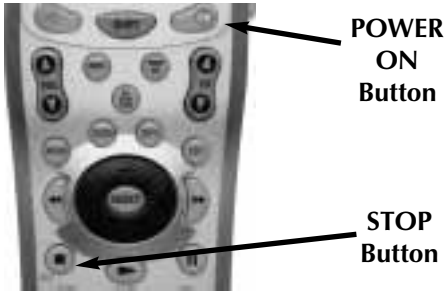
After the display flashes ERASE ten times you can release the buttons. The display will flash CLEAR and the Unifier will return to normal operating mode.

Erasing a Macro

① Press and hold both the DEVICE button and the MUTE button (to erase Device buttons, use AUDIO and MUTE). Release after SET appears on the display.

Note: You have 30 seconds for each step, otherwise the Unifier will time out automatically.

**DEVICE
Buttons**

**Mute
Button**
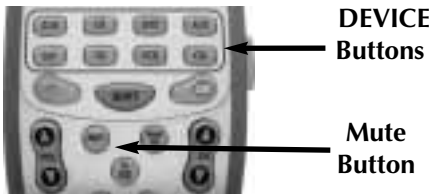
② Press the macro button you want to erase. The display will flash "CLEAR" then "M ###".

③ Press the LIGHT button to save.

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Erasing All Settings

Should you wish to make a clean start, you can reset the Unifier to its factory default settings by pressing and holding both the POWER OFF button and the STOP button for ten seconds. Continue to hold both buttons as the display flashes ERASE nine times, then CLEAR.

POWER OFF Button

STOP Button
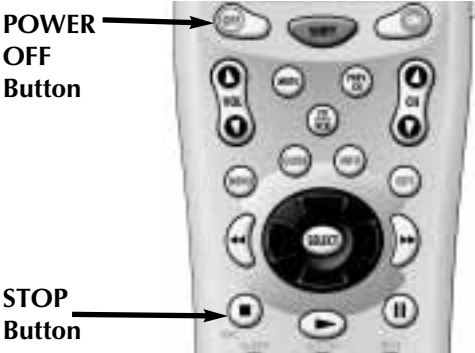
The Unifier displays a self testing routine for a few seconds, then returns to normal operating mode.

Recalling Pre-Programmed Settings

If you wish to recall a previously programmed code number so that you can write it down, follow these steps:

1 Press and hold both the DEVICE button you want to identify and the MUTE button. Keep holding them down until the display says SET.

2 Press the INFO button. The Device Name will appear (blink twice) followed by the three digit number.

The Optional Expander

You can use the Unifier as you would your other remote controls. It transmits very powerful line-of-sight output using infrared light commands (invisible to the naked eye). When you point the Unifier at the components, expect the range to be between 30 and 50 feet. When the remote is not pointed in the general direction of the components, the range will vary (depending on reflective surfaces, lighting, etc.).

However, the Unifier also sends radio signals in every direction. By purchasing the optional Expander (a radio receiver), you can operate your equipment with the Unifier 50 to 100 feet away (through walls, doors, cabinets, inside or outside). Since the Expander picks up the Unifier's radio signals from any direction, regardless of distance, the Unifier *doesn't have to be pointed!*

Nothing has to be done to the Unifier for this feature to work. Every time you press a button on the Unifier, it sends both a standard infrared command AND a radio signal. If you install the Expander kit, the MRF-100 will receive the Unifier's radio signals and translate them into the infrared commands that control your components.

Note: The Unifier's radio signals will not control components directly. You must have an Expander to receive the Unifier's radio signals. Components that came with "no pointing" radio remote controls cannot be operated by the Unifier unless the component can be switched to standard infrared control via its internal menus. Some remote control ceiling fans are radio only and cannot be operated by the Unifier.

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The Unifier sends radio signal to the Expander, which is a radio receiver.
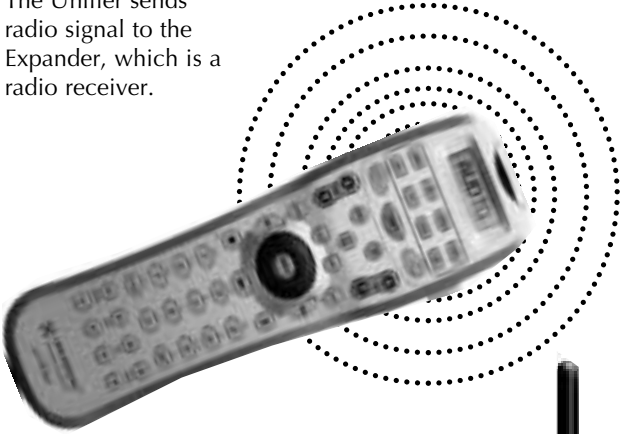
The Expander converts radio signals to standard infrared commands and sends them out via a built-in front blaster to components in the same cabinet space.

Self-adhesive "flashers" (included in the Expander kit) affix to the front panels of your components. The flashers relay infrared commands to components out-of-sight of the MRF-100 front blaster. The flashers plug into the MRF-100 rear flasher line output jacks. Each flasher has a 10' cable to easily reach components on nearby shelves.

Pre-Programmed Code Tables

The Unifier's Pre-Programmed code library is classified by category (TV, VCR, AUX, etc.). Each category actually includes many types of components. For example, the SAT category includes satellite receivers and digital video recorders like TiVo and Replay.

Within each category, the code numbers are listed in rows by brand (Sony, Panasonic, B & K, etc.). Some brands have more than one three digit code for you to try. Just circle the correct row and refer to it while you setup (step-by-step instructions for using Pre-Programmed codes are found on page 5).

TV	TVs, Plasmas, Projectors and Monitors	Pages 38-41
CABLE	Cable TV Tuner/Descrambler	Pages 44-46
DVD	DVD Players and Laser Disc Players	Pages 32-34
VCR	VCRs and TV/VCR Combo	Pages 42-44
AUDIO	Amps, Preamps and A/V Receivers	Pages 26-29
SAT	Satellite Receivers, TiVo, Replay and other DVR's	Pages 36-38
CD	CD Players and Changers	Pages 29-31
AUX	Tape Decks, Lighting Controls, Custom Installation Products	Pages 34-36

NOTE: Following each Code Table is a Command Locator. Use the Command Locator to locate the additional commands that are accessed via the SHIFT button.

AUDIO - Amps, Preamps and A/V Receivers

BRAND	CODE NUMBERS
ADC	007
ADCOM	082 092 225 161 269 355 356 366
AIWA	170 018 104 202 203 213 211 188
AKAI	138 189
AMC	125 126 127 128 258 281 282 038
AMEND	054
AMX	196
ANGSTROM	142
ANTHEM	335 336 337 338 339
ARCAM	141
ATLANTIC TECH.	342
AUDIO ACCESS	147
AUDIO ALCH.	135
AUDIO DES.	194 221 011
AUDIO EASE	021 196 207
AUDIO FILE	071
AUDIO MATRIX	167
AUDIO SOURC	273
AUDIO TECHN	134
B & K	096 097
BOSE	070 170 224 347
BRYSTON	023
CARVER	006 028 061 071 201 214 226 180 185 022 029 077 284
CASIO	076
CHIRO	140
CINEMA SND.	034 134
CITATION	148 272
CLARION	026
COMPAQ	382
CURTIS MATH.	076
DENON	002 034 109 215 229 230 027 037 234 259 330 340 341 349 350
EIGER	149
ELAN	057 290
ENLIGHTENED	099 098
ESCIENT	368
FANFARE	352
FISHER	047 214 180 182 297
FLEXTRONICS	378
FOSGATE	062 231
FOSGATE AUD.	342
GE	056 260
GOLDSTAR	008
HAFLER	174
HARMAN KAR.	231 233 254 153 154 118 121 227 277 317 318 365
HITACHI	020
IMERGE	371
INKEL	197
INTEGRA	354
JBL	263
JC PENNY	076 216
JEFF ROWLAND	206
JENSEN	058
JVC	240 163 191 114 266 279 291
KENWOOD	026 066 145 146 181 190 197 192 182 199 151 222 180 005 280 374
KINERGETICS	220 140
KLH	331

BRAND	CODE NUMBERS
KOSS	216
KRELL	150 072 376
KYOCERA	007
LEXICON	120 235 236 237 357 358 359 360 361 362 363 364
LINN	124 377
LUXMAN	137 139 052 165 115 004 009
LXI	076 056
MAGNAVOX	086 164 152 208
MARANTZ	006 028 031 040 063 185 186 251 265 119 289 296
MCINTOSH	238 286
MCS	076
MERIDIAN	100 012 013
MITSUBISHI	242 243 204
MONDIAL	157 158 042 043 081 112
MYRYAD	276 293
NAD	186 113 283
NAKAMICHI	111 244 245 172 183 287
NEC	176
NIRO	343
ONKYO	017 046 064 107 108 187 079 080 090 179 209 270 275
OPTIMUS	026 041 138
OUTLAW	342
PANASONIC	032 195 219 177 292
PARASOUND	129 130 132 261 294 295 333 334
PHAST	196
PHILIPS	249 250 251 063 119
PIONEER	014 033 039 044 045 050 069 159 168 116 035 078 198
POLKAUDIO	029
PROCEED	144 268
RCA	010 048 117 156 067 288
REALISTIC	019 056 073 075 095
REQUEST	351
REVOX	162
ROTEL	074 083 085
SAMSUNG	016
SANSUI	040 048 110 119 065 228
SANYO	047 059
SCOTT	019 091
SEARS	076
SHARP	026 094 131 175 181
SHERWOOD	024 038 055 102 103 105 106 051 030
SONY	018 093 223 247 248 160 166 015 101 184 218 271 353 369 372
SOUNDESIGN	036
SOUND MTRS	375
SOUNDSTREAM	084 088
SSI	068
SUMO	171
SUNFIRE	344 345 346
TAEKWANG	138
TEAC	005 019 049 111 212 217
TECHNICS	122 176 193 219 178 177 200 257 262
THETA DIGITAL	136
TOSHIBA	060 087 198 278
WARDS	180
YAMAHA	026 253 169 067 173 205 264 232 089 264 274 285 332 373
ZENITH	143 210

AUDIO COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
Power/Off	OFF
Power/On	ON
Vol+	VOL+
Vol-	VOL-
Mute	MUTE
Preset+	CH+
Preset-	CH-
SCAN	PREV CH
BAND,FM/AM	T/V
MODE	MENU
DISPLAY	GUIDE
OSD	INFO
CLEAR	EXIT
UP	UP
DOWN	DOWN
SELECT	SELECT
LEFT	LEFT
RIGHT	RIGHT
1	1 /SLEEP
2	2 /6.7 CH
3	3 / TEST
4	4/ THX
5	5 / DD
6	6 / DTS
7	7 / LOGIC
8	8 / ST
9	9 / SURR
0	0 / TAPE 2
10	+10 / VCR 4
Enter	ENTER / PH
Mode+	MODE+
Sub+	SUB+
Center+	CENTER+
Rear+	REAR+
Mode-	MODE-
Sub-	SUB-
Center-	CENTER-
Rear-	REAR-
TUNER Input	Press SHIFT first, then press AUD button.
CD Input	Press SHIFT first, then press CD button.
DVD Input	Press SHIFT first, then press DVD button.
AUX Input	Press SHIFT first, then press AUX button.
Video 3 Input	Press SHIFT first, then press SAT button.
Video 2 Input	Press SHIFT first, then press TV button.
Video 1 Input	Press SHIFT first, then press VCR button.
TAPE Input	Press SHIFT first, then press CBL button.
HALL	Press SHIFT first, then press MENU button.
THEATER	Press SHIFT first, then press GUIDE button.
CATHEDRAL	Press SHIFT first, then press INFO button.
PARTY	Press SHIFT first, then press EXIT button.
NIGHT CLUB	Press SHIFT first, then press UP button.
CHURCH	Press SHIFT first, then press DOWN button.
JAZZ	Press SHIFT first, then press SELECT button.
DISCO	Press SHIFT first, then press LEFT button.
OPERA/ARENA	Press SHIFT first, then press RIGHT button.
SLEEP	Press SHIFT first, then press 1/SLEEP button.

AUDIO COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
5/6/7 CH	Press SHIFT first, then press 2/6.7CH button.
TEST	Press SHIFT first, then press 3/TEST button.
THX	Press SHIFT first, then press 4/THX button.
DOLBY DIG.	Press SHIFT first, then press 5/DD button.
DTS	Press SHIFT first, then press 6/DTS button.
LOGIC 7	Press SHIFT first, then press 7/LOGIC button.
STEREO	Press SHIFT first, then press 8/ST button.
SURR	Press SHIFT first, then press 9/SURR button.
TAPE2 Input	Press SHIFT first, then press 0/TAPE2 button.
Video 4 Input	Press SHIFT first, then press +10/VCR4 button.
PHONO Input	Press SHIFT first, then press ENT/PH button.
BASS+	Press SHIFT first, then press MODE+ button.
TREBLE+	Press SHIFT first, then press SUB+ button.
SURR+	Press SHIFT first, then press CENTER+ button.
DELAY+	Press SHIFT first, then press REAR+ button.
BASS-	Press SHIFT first, then press MODE- button.
TREBLE-	Press SHIFT first, then press SUB- button.
SURR-	Press SHIFT first, then press CENTER- button.
DELAY-	Press SHIFT first, then press REAR- button.

CD - CD Players and Changers

BRAND	CODE NUMBERS
ADCOM	062 042
AIWA	059 065 088 089 105 122 170 187
AKAI	085 195 202
AMC	231 232
AMEND	118
ARCAM	238
AUDIO ACCESS	119 147
AUDIO EASE	165
AUDIO TECHN	046
BSR	037 057
CALIFORNIA	103 008
CAPETRONIC	063
CARRERA	057 080
CARVER	185 041 044 050 086 107 130 134 135 138 139 203 204 167
CASIO	111 182
CLARINETTE	182
CREEK	159
CROWN	035
DENON	002 123
EMERSON	042 069 102
FISHER	050 185 134 008
FRABA	111
GENEXXA	010 069 102
GOLDSTAR	080
HAITAI	093
HARMAN KAR.	018 033 047 208
HITACHI	042 175
INKEL	130 143 144
JC PENNY	014 061 092 141
JENSEN	158

BRAND	CODE NUMBERS
JVC	004 022 136 163 213 214 242 243
KENWOOD	185 007 023 055 071 072 142 137 254
KOSS	061
KRELL	241
KYOCERA	005
LOTTE	102
LUXMAN	011 028 070 076 249 252
LXI	059
MAGNAVOX	044 107
MARANTZ	027 041 044 051 077 107 209 246
MCINTOSH	212 247
MCS	014 073 092
MEMOREX	010
MISSION	044 107
MITSUBISHI	179
MITSUMI	153
MODULAIRE	182
MONDIAL	147
MYRYAD	244 155
NAD	006 005 067 178
NAKAMICHI	217 218 219 095
NEC	014 062
NIKKO	046
NSM	044 107
ONKYO	030 038 039 168 169
OPTIMUS	010 050 057 058 081 082 083 085 093 195
PANASONIC	103 201 172 008 068 248
PARASOUND	233 240
PHILIPS	041 044 107 246 253
PIONEER	010 020 025 056 174 175 176
PROCEED	239
PROTON	044 107 228
QUASAR	103 008
RADIO SHACK	182
RCA	017 042 150
REALISTIC	042 050 051 102 181 182 187
ROTEL	044 107 161 178 250
SAE	044 107
SANSUI	044 069 107 128 171 190 125
SANYO	050
SCOTT	069 102
SHARP	026 031 051 066
SHERWOOD	003 019 051 096 112 115 119 166
SIGNATURE	033
SONY	048 081 097 126 133 177 225 226 164
SOUNDESIGN	251
SUMO	155
SYLVANIA	044 107
SYMPHONIC	052 181
TAEKWANG	195 085
TANDY	010
TEAC	015 034 036 051 052 101 131 140 079
TECHNICS	060 103 200 172 184 008 068
TECHWOOD	076
THETA DIG.	234 235
TOSHIBA	006 067 091 160 148

CD (continued) - CD Players and Changers

BRAND	CODE NUMBERS
VECTOR RES.	080
VICTOR	004 022 114 124
WARDS	185 033
YAMAHA	024 046 054 186 183 245
YORX	182

CD COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
Power/Off	OFF
Power/On	ON
Track+	CH+
Track-	CH-
EJECT	PREV CH
RANDOM	T/V
EDIT	MENU
PROGRAM	GUIDE
DISPLAY	INFO
CLEAR	EXIT
UP	UP
DOWN	DOWN
SELECT	SELECT
LEFT	LEFT
RIGHT	RIGHT
Scan- / REW	REW
Scan+ / FF	FF
Stop	STOP/REC
Play	PLAY
Pause	PAUSE
1	1 /SLEEP
2	2 /6.7 CH
3	3 / TEST
4	4/ THX
5	5 / DD
6	6 / DTS
7	7 / LOGIC
8	8 / ST
9	9 / SURR
0	0 / TAPE 2
10	+10 / VCR 4
Enter	ENTER / PH
DISC1	MODE+
DISC2	SUB+
DISC3	CENTER+
DISK SKIP+	REAR+
DISC4	MODE-
DISC5	SUB-
DISC6	CENTER-
DISK SKIP-	REAR-
REPEAT	Press SHIFT first, then press 1/SLEEP button.
INTRO	Press SHIFT first, then press 2/6.7CH button.
DISC	Press SHIFT first, then press 3/TEST button.
TIME	Press SHIFT first, then press 4/THX button.

DVD - DVD Players and Changers

BRAND	CODE NUMBERS
AIWA	146
ALPINE	098
APEX DIGITAL	087 111 115
DENON	007 080
FUNAI	143
GE	026 027
GOVIDEO	137
HARMAN KAR.	084 140
HITACHI	101
INTEGRA	142
JVC	012
KENWOOD	151
KLH	135
KRELL	104
LEXICON	148
LG	091 057 074
MAGNAVOX	066 096
MARANTZ	083 095
MERIDIAN	153
MITSUBISHI	017
MYRYAD	102 134
NAD	088
NAKAMICHI	103
ONKYO	076 035
PANASONIC	021 042 138 139 144 150
PHILIPS	066 083 095 105
PIONEER	023 092 099 107 108 131
PROCEED	086
PROSCAN	026 027
RCA	026 027
SAMSUNG	056 070 119
SANSUI	154
SANYO	147
SHARP	094
SONY	033 118 145
SYLVANIA	143
SYMPHONIC	143
TATUNG	102
THOMPSON	026 027
TOSHIBA	035 034 130 141
VENTURER	149
YAMAHA	042 089
ZENITH	057 074 091

DVD (continued) - Laser Disc Players

BRAND	CODE NUMBERS
DENON	206 207
FUNAI	120
KENWOOD	152 013
MAGNAVOX	032 121
MARANTZ	211
MITSUBISHI	121
NAD	121

DVD (continued) - Laser Disc Players

BRAND	CODE NUMBERS
OPTIMUS	049 013
PANASONIC	113
PHILIPS	032
PIONEER	106 117 121
RADIO SHACK	120
RCA	002
REALISTIC	049
RUNCO	127
SANYO	075
SHARP	152 013
SONY	053 110
TECHNICS	113
THETA DIG.	032
TOSHIBA	152 106
YAMAHA	043 129

DVD COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
Power/Off	OFF
Power/On	ON
Skip+	CH+
Skip-	CH-
EJECT	PREV CH
MENU	MENU
PROGRAM	GUIDE
DISPLAY	INFO
CLEAR	EXIT
Up	UP
Down	DOWN
Select	SELECT
Left	LEFT
Right	RIGHT
Scan- / REW	REW
Scan+ / FF	FF
Stop	STOP/REC
Play	PLAY
Pause	PAUSE
1	1 /SLEEP
2	2 /6.7 CH
3	3 / TEST
4	4/ THX
5	5 / DD
6	6 / DTS
7	7 / LOGIC
8	8 / ST
9	9 / SURR
0	0 / TAPE 2
10	+10 / VCR 4
Enter	ENTER / PH
REPEAT	MODE+
A/B REPEAT	SUB+
RANDOM	CENTER+
RETURN	REAR+

DVD COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
TITLE	MODE-
TIME	SUB-
MEMO	CENTER-
AUDIO	REAR-
STEP+	Press SHIFT first, then press CH+
STEP-	Press SHIFT first, then press ch-
TOP MENU	Press SHIFT first, then press MENU
SETUP	Press SHIFT first, then press GUIDE
SEARCH	Press SHIFT first, then press INFO
SLOW-	Press SHIFT first, then press REW
SLOW+	Press SHIFT first, then press FF
REC	Press SHIFT first, then press STOP/REC
ANGLE	Press SHIFT first, then press 1/SLEEP button.
SUB ON/OFF	Press SHIFT first, then press 2/6.7CH button.
SUBTITLE	Press SHIFT first, then press 3/TEST button.
PICTURE	Press SHIFT first, then press 4/THX button.
SURR	Press SHIFT first, then press 5/DD button.
ZOOM	Press SHIFT first, then press 6/DTS button.

AUX - Tape Decks

BRAND	CODE NUMBERS
AIWA	015 071 100 114
CARVER	006 008 027 024 036
DENON	105 227 229
FISHER	064
GOLDSTAR	011
HARMAN KAR.	233
JVC	106 116 239 240
KENWOOD	005 013 023 026 064 145 146 181 190
LINN	124
LUXMAN	035 137 139
MAGNAVOX	027
MARANTZ	014 027 056 065 087
MCINTOSH	238
MITSUBISHI	242 243
NAD	029 048
NAKAMICHI	244 245 025
ONKYO	002 012 016 017 018 019 115
OPTIMUS	026 054 055
PANASONIC	007 010 032 088 195
PHILIPS	027 087
PIONEER	003 039 047 050 066 098 222
QUASAR	007 088
SANSUI	027 113 119 224
SHARP	026 057 131 175 181
SHERWOOD	038 004 028 030 033 034
SONY	020 022 052 084 089
TEAC	009 059 212
TECHNICS	007 010 076 088 109 122 193
TOSHIBA	112
VICTOR	106
YAMAHA	021 026 031 067 040

BRAND	CODE NUMBERS
3M	152
AIWA	164
ARCHER	155
AURORA	220
AUTON	191
CELADON	221
CRESTRON	213 214 215 216 217 218
DMX	156
DRAPER	204
DREAMVISION	097
DWIN	080, 253
EVERQUEST	206
EXTRON	151
FAROUDJA	184
FUJI	209
HUNTERDOUG.	219
JERROLD	153
JVC	185
KENWOOD	185
LITE-TOUCH	208 257
LUTRON	158 159 077
MAKITA	186 201
MINDPATH	205
NILES	160 187
NSM	161
PIANO DISC+	085
POLKAUDIO	162
RUSSOUND	081
SCIENTIFIC AT.	163 156
SIMA	082
SOLO ELECTR.	207
SOMFY	078 079
SONY	164 165 166
STARCOM	153
TURBOSCAN	167
VELODYNE	203
X-10	183 093
XANTECH	168 169 170 171 172 188 189

AUX COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
Power/Off	OFF
Power/On	ON
VOL+	VOL+
VOL-	VOL-
MUTE	MUTE
(A)REW	REW
(A)FF	FF
(A)STOP	STOP/REC
(A)PLAY	PLAY
(A)PAUSE	PAUSE

COMMAND	BUTTON LOCATION
1	1 /SLEEP
2	2 /6.7 CH
3	3 / TEST
4	4/ THX
5	5 / DD
6	6 / DTS
7	7 / LOGIC
8	8 / ST
9	9 / SURR
0	0 / TAPE 2
10	+10 / VCR 4
Enter	ENT/PH
(B)FF	MODE+
(B)PLAY	SUB+
(B)PLAY BACK	CENTER+
DECK A	REAR+
(B)REW	MODE-
(B)STOP	SUB-
(B)REC	CENTER-
DECK B	REAR-
(A)REC	Press SHIFT first, then press STOP/REC
(A)PLAY BACK	Press SHIFT first, then press PLAY
DIRECTION A	Press SHIFT first, then press REAR+
DIRECTION B	Press SHIFT first, then press REAR-

SAT - Satellite Receivers

BRAND	CODE NUMBERS
ALPHASTAR	123
AMPLICA	050
BIRDVIEW	129 113 051 126
BSR	053
CABLEVISION VOOM	148
CAPETRONICS	053
CHAN MASTER	013 014 015 018 036 055
CHAPARRAL	008 009 012 077
CITOH	054
CURTIS MATH	050
DRAKE	005 006 007 010 011 112 116 141 052
DX ANTENNA	056 024 046 076
ECHO / DISH	122 038 040 057 058 093 094 095 096 097 098 099 100
ELECTROHOME	089
EUROSAT	114
EXPRESSVU	122
FUJITSU	017 021 022 027 133 134
GE	151 106 150
GEN. INSTRMNT	003 004 016 029 031 059 101 148
GOI	122
HITACHI	139 140
HOME CABLE	080 044 029
HOUSTON TR.	033 037 039 104 057 051
HTS	122
HUGHES	161 162 068 154 165 166
HYTEK	053
HYUNDAI	149

SAT (continued) - Satellite Receivers

BRAND	CODE NUMBERS
ICR	023
JANIEL	147
JVC	122
KATHREIN	108
LEGEND	057
LUTRON	132
LUXOR	144 062
MACOM	059 010 063 064 065
MAGNAVOX	136
MARANTZ	152 153
MEMOREX	057 136
MITSUBISHI	068 154
MOTOROLA	148
NEXT LEVEL	148
NEXTWAVE	028 124 125
NORSAT	069 070
PACE	143
PANASONIC	142 160
PANSAT	121
PAYSAT	136
PERS. CABLE	117
PHILIPS	152 153 156 068 154 136
PRESIDENT	019 102
PRIMESTAR	110 030
PROSAT	072
PROSCAN	151 106 150
RADIOSHACK	148
RCA	151 106 150
REALISTIC	043 074
SAMSUNG	123 155 163
SATSERVICE	028 035 047 085
SKY	164
SONY	103
STARCAST	041
STAR CHOICE	148
SUPERGUIDE	020 124 125
TEECOM	023 026 075 087 088 090 107 130 137
TOSHIBA	127 068 154 157 158
TOWN&CNTRY	023 026
UNIDEN	016 025 042 043 044 045 048 049 078 079 080 086 101 135 136
VIEWSTAR	115
WINEGARD	128 146
ZENITH	159

SAT (continued) - DVR (TiVo, Replay etc.)

BRAND	CODE NUMBERS
ECHO/ DISH	122
HUGHES	205 207
JVC	122
PHILIPS	205 202 207
RCA	206
REPLAY	201
SONY	203 204
TIVO	202 207

SAT COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
Ch+	CH+
Ch-	CH-
PREV CH	PREV CH
INPUT/ANT	TV/ VCR
Menu	MENU
Guide	GUIDE
Info	INFO
Exit	EXIT
Up	UP
Down	DOWN
Select	SELECT
Left	LEFT
Right	RIGHT
REW	REW
FF	FF
STOP	STOP/REC
PLAY	PLAY
PAUSE	PAUSE
1	1 /SLEEP
2	2 /6.7 CH
3	3 / TEST
4	4/ THX
5	5 / DD
6	6 / DTS
7	7 / LOGIC
8	8 / ST
9	9 / SURR
0	0 / TAPE 2
10	+10 / VCR 4
Enter	ENTER / PH
FAV	MODE+
SEARCH	SUB+
FETCH	CENTER+
VIDEO	REAR+
ALT AUDIO	MODE-
PROGRAM	SUB-
HELP	CENTER-
INTERACTIVE	REAR-
RECORD	Press SHIFT first, then press STOP/REC

TV - TVs, Plasmas, Projectors and Monitors

BRAND	CODE NUMBERS
ADMIRAL	072 081 161 160
ADVENT	247
AKAI	197 146 248
A MARK	112 143
AMPRO	167 073 157 183
AMSTRAD	052
ANAM	043 054 056 080 112 131
AOC	197 004 112 058
AUDIOVOX	076
BARCO	233
BLAUPUNKT	088
BROKSONIC	238
CAIRN	201

BRAND	CODE NUMBERS
CANDLE	197 002 003 004
CAPEHART	058
CETRONIC	043
CITIZEN	197 002 003 004 043 101 103 143
CLASSIC	043
CONCERTO	004
CONTEC	043 050 051
CORONADO	143
CRAIG	043 054
CROWN	043 143
CURTISMATHES	197 101 004 143
CXC	043
DAEWOO	004 016 043 044 076 103 114 125 127 143
DAYTRON	004 143
DREAMVISION	235
DWIN	177 257
DYNASTY	043
DYNATECH	062
EIKI	187
ELECTROHOME	143 024 076 196
EMERSON	028 048 043 155 005 197 004 047 050 051 076 096 143 151 153 154
FISHER	007 057
FUJITSU	198 246
FUNAI	028 043
FUTURETECH	043
GE	160 144 165 073 197 008 009 034 056 074 130 155 161 004 091 157 183
GOLDSTAR	113 116 102 004 106 112 119 127 143
HALL MARK	004
HITACHI	011 163 166 004 009 010 012 023 075 143 158 072
INFINITY	164
INFOCUS	230
JBL	164
JC PENNY	004 024 197 008 009 030 065 101 143 156 160
JENSEN	013
JVC	038 034 070 083 145 199 210 240 241
KEC	043
KENWOOD	197 070
KLOSS	002 059
KMC	143
KTV	043 197 143 154
LG	113 116 102 004 106 112 119 127 143
LODGENET	072
LOEWE	164
LOGIK	072
LUXMAN	004
LXI	166 007 015 052 081 160 164
MAGNAVOX	164 059 197 003 060 061 004 063 064 127 022 160 094 239, 256
MARANTZ	197 164 184
MATSUI	164
MEMOREX	007 072 004
METZ	088
MGA	197 004 024 028 042
MINERVA	088
MITSUBISHI	109 124 024 004 028 040 042 146 191
MTC	197 004 062 101
NAD	015 025

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BRAND	CODE NUMBERS
NEC	132 130 134 197 040 016 024 056 019 236 237
NIKEI	043
ONKING	043
ONWA	043
OPTONICA	019 081
ORION	096
PANASONIC	034 056 080 092 164 208
PHILCO	197 003 059 060 064 164 004 024 056 063
PHILIPS	164 005 093 038 197 003 004 059 127 184 206 239
PIONEER	135 025 197 018 023 116 190 234
PORTLAND	004 143
PROSCAN	144 160 161 165 167
PROTON	004 131 058 143 171 173 193
QUASAR	034 056 092
RADIO SHACK	019 004 143 043 127
RCA	160 165 065 156 144 161 197 004 024 056 152 023 074
REALISTIC	007 019 043 047
ROCTEC	186
RUNCO	168 169 178 179 180 181 182 183 073 157
SAMPO	197 058 004 202
SAMSUNG	050 089 101 105 004 127 143 160 228 229
SANYO	166 007 020 053 057 082 187
SCOTT	028 043 004 048 143
SEARS	015 030 004 007 028 057 143 094 160 082 165 166
SELECO	189 200 205 227
SHARP	081 019 014 170 028 029 004 022 143 175
SIEMENS	088
SIGNATURE	072
SOLE	231 232
SONY	070 139 147 126 185 194 085
SOUNDESIGN	028 004 003 043
SPECTRICON	112
SSS	004 043
SUPRE MACY	002
SYLVANIA	197 003 059 060 063 064 164 044 160 127
TANDY	081
TATUNG	056 062
TECHNICS	034 080
TECHWOOD	004
TEKNIKA	002 003 004 024 028 043 072 101 143
TELEFUNKEN	037 046 086 087
TELERENT	072
TERA	172
TMK	004
TOSHIBA	015 138 030 007 040 062 101
TOTEVISION	143
UNIVERSAL	008 009
VIDEO CONCEPT	146
VIDIKRON	174 184 188 192
VIDTECH	004
WARDS	004 008 009 019 028 060 061 063 064 072 074 143 164 034
WESTINGHSE	076
YAMAHA	197 004
YORK	004
YUPITERU	043
ZENITH	073 072 095 103 157 183
ZONDA	112

TV COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
Power/Off	OFF
Power/On	ON
Vol+	VOL+
Vol-	VOL-
Mute	MUTE
Ch+	CH+
Ch-	CH-
PREV CH	PREV CH
TV/VCR	T/V
Menu	MENU
CH GUIDE	GUIDE
DISPLAY	INFO
CANCEL	EXIT
Up	UP
Down	DOWN
Select	SELECT
Left	LEFT
Right	RIGHT
1	1 /SLEEP
2	2 /6.7 CH
3	3 / TEST
4	4/ THX
5	5 / DD
6	6 / DTS
7	7 / LOGIC
8	8 / ST
9	9 / SURR
0	0 / TAPE 2
10	+10 / VCR 4
Enter	ENTER / PH
PIP ON/OFF	MODE+
PIP SWAP	SUB+
PIP POSITION	CENTER+
PIP CH+	REAR+
PIP OFF	MODE-
PIP SIZE	SUB-
PIP FREEZE	CENTER-
PIP CH-	REAR-
INPUT/ANT	Press SHIFT first, then press TV/VCR
CAPTION	Press SHIFT first, then press MENU
AUTO CH	Press SHIFT first, then press GUIDE
CC	Press SHIFT first, then press INFO
RESET	Press SHIFT first, then press EXIT
ADD	Press SHIFT first, then press UP
DELETE	Press SHIFT first, then press DOWN
SLEEP	Press SHIFT first, then press 1 /SLEEP
ASPECT	Press SHIFT first, then press 2 /6.7 CH
RGB Input	Press SHIFT first, then press 3 / TEST
COMPONENT	Press SHIFT first, then press 4/ THX
MODE	Press SHIFT first, then press 5 / DD
WIDE/SIZE	Press SHIFT first, then press 6 / DTS
S-VIDEO Input	Press SHIFT first, then press 7 / LOGIC
VIDEO1 Input	Press SHIFT first, then press 8 / ST
VIDEO2 Input	Press SHIFT first, then press 9 / SURR

VCR - VCRs and TV/VCR Combos

BRAND	CODE NUMBERS
AIWA	034 161
AKAI	016 146 043 046 124 125 142
AMPRO	072
ANAM	031
AUDIO DYN	012 023 039 043
BROOKSONIC	035 037 129
CANON	028 031
CAPEHART	108
CRAIG	003 040 135
CURTIS MATH.	031 041
DAEWOO	111 116 117 119 005 007 010 065 108 110 112
DAYTRON	108
DBX	012 023 039 043
DYNATECH	034 053
ELECTROHOME	059
EMERSON	006 029 035 017 025 027 031 034 036 037 046 101 129 131 138 153 162 116
FISHER	003 010 008 009
FUNAI	034
GE	031 072 147 063 107 109 144
GO VIDEO	132 136 155 040 115
GOLDSTAR	101 106 114 013 020 012 123
HARMAN KAR.	012 045
HITACHI	004 026 150 018 034 043 063 137 160 013
INSTANTREPLAY	031
JCL	031
JC PENNY	012 013 015 040 066 101
JENSEN	043
JVC	048 043 130 150 055 060 012 031 050 152 166
KENWOOD	014 048 034 047
LG	101 106 114 013 020 012 123
LLOYD	034
LXI	034 003 009 017 106
MAGIN	040
MAGNAVOX	067 031 034 068 041 156 164
MARANTZ	067 069 012 031 156
MARTA	101
MATSUI	027 030
MEI	031
MEMOREX	101 003 010 014 031 034 053 072 102 134 139
MGA	045 046 059
MINOLTA	013 020
MITSUBISHI	059 061 151 013 020 045 046 051 142 049 168
MTC	034 040
MULTITECH	024 034
NEC	012 023 039 043 048
NORDMENDE	043
OPTONICA	053 054
ORION	025
PANASONIC	066 070 145 083 133 140 157 163 074 167
PENTAX	013 020 031 063
PHILCO	031 034 067
PHILIPS	031 067 034 101 054 071 156
PILOT	101
PIONEER	021 013 048
PORTLAND	108

VCR (continued) - VCRs and TV/VCR Combos

BRAND	CODE NUMBERS
PULSAR	072
QUARTZ	002 014
QUASAR	066 145 075
RADIO SHACK	123
RCA	107 109 144 147 158 041 145 013 020 140 034 040
REALISTIC	003 008 010 014 031 034 040 053 054 101
RICO	058
RUNCO	148
SALORA	014
SAMSUNG	102 104 113 115 112 120 032 040 066 107 109 122 125
SANSUI	022 043 048 135
SANYO	003 010 007 014 134 102
SCOTT	017 037 112 129 131
SEARS	003 008 010 014 081 013 101 009 017 073 112
SHARP	149 054 031 159 165
SHINTOM	024
SIGNATURE	034
SONY	056 057 058 077 052 003 078 076 031 149 154
SOUNDESIGN	034
STS	013
SYLVANIA	031 034 059 067
SYMPHONIC	034
TANDY	010 034
TATUNG	039 043
TEAC	034 039 043
TECHNICS	031 070
TEKNIKA	031 019 034 101
THOMAS	034
TMK	006
TOSHIBA	112 131 079 008 059 047 082 013 042 081
TOTEVISION	040 101
UNITECH	040
VECTOR RES.	012
VICTOR	048
VIDEO CONC.	012 034 046 141
VIDEOSONIC	040
WARDS	003 013 017 024 031 034 040 053 054 131
YAMAHA	012 034 039 043
ZENITH	072 080 056 048 101 034 058

VCR COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
Power/Off	OFF
Power/On	ON
Ch+	CH+
Ch-	CH-
PREV CH	PREV CH
VCR/TV	TV/VCR
Menu	MENU
GUIDE	GUIDE
DISPLAY	INFO
CANCEL	EXIT
UP	UP
DOWN	DOWN
SELECT	SELECT

VCR COMMAND LOCATIONS (continued)

COMMAND	BUTTON LOCATION
LEFT	LEFT
RIGHT	RIGHT
Rew	REW
FF	FF
Stop	STOP/REC
Play	PLAY
Pause	PAUSE
1	1 /SLEEP
2	2 /6.7 CH
3	3 / TEST
4	4/ THX
5	5 / DD
6	6 / DTS
7	7 / LOGIC
8	8 / ST
9	9 / SURR
0	0 / TAPE 2
10	+10 / VCR 4
SLOW	MODE+
SLOW+	SUB+
TRK+	CENTER+
PROGRAM	REAR+
AUTO TRK	MODE-
SLOW-	SUB-
TRK-	CENTER-
RESET	REAR-
INPUT	Press SHIFT first, then press TV/VCR
Record	Press SHIFT first, then press STOP/REC
X2 PLAY	Press SHIFT first, then press PLAY
EJECT	Press SHIFT first, then press PAUSE
SLEEP / TIMER	Press SHIFT first, then press 1/SLEEP button.
CLOCK/COUNT	Press SHIFT first, then press 2/6.7CH button.
RESET	Press SHIFT first, then press 3/TEST button.
AUTO CH	Press SHIFT first, then press 4/THX button.
F.ADV	Press SHIFT first, then press 5/DD button.
VCR PLUS	Press SHIFT first, then press 6/DTS button.
INDEX	Press SHIFT first, then press 7/LOGIC button.
ADD	Press SHIFT first, then press 8/ST button.
DELETE	Press SHIFT first, then press 9/SURR button.
TAPE SPEED	Press SHIFT first, then press 0/TAPE2 button.

CBL - Cable TV Tuner/Descrambler

BRAND	CODE NUMBERS
ABC	004 103 003 039 042 046 053
AMERICAST	099
ANTRONIX	014
ARCHER	005 007 014
BELL SOUTH	099
CENTURION	092
CENTURY	007
CITIZEN	007

CBL (continued) - Cable TV Tuner/Descrambler

BRAND	CODE NUMBERS
COMBANO	080 081
COMSAT	074
COMTRONICS	030
COX DIGITAL	074
DIGICABLE	101
EAGLE	020 030 040
EASTERN	057 066
ECHOSTAR	106
ELECTRICORD	032
GEMINI	008 054
GE	072
GENERAL INSTR.	103 074 104
GNC	099
GOLDEN CHAN.	030
HAMLIN	049 050 055
HITACHI	103 055
JERROLD	103 002 003 004 008 009 010 069 074
MAGNAVOX	010 012 064 079 095 094
MEDIA ONE	107
MEMOREX	052
MITSUBISHI	102
M-NET	037
MOVIE TIME	028 032
NOVAPLEX	092
NSC	015 028 038 071
OAK	031 037 053
PANASONIC	044 047
PARAGON	052
PHILIPS	006 012 013 020 085 095
PIONEER	103 034 051 063 076 105
PRUCER	059
PTS	011 071 074
PULSAR	052
RCA	047
RECOTON	098
REGAL	049 050
REGENCY	057
SAMSUNG	030
SCIENTIFIC ATL.	003 011 041 042 043 045 046
SIGNAL	030
SIGNATURE	103
SL MARX	030
SONY	096 108
SPRUCER	047 078
STARCOM	002 004 008 009
STARGATE	008 030 097 104
TADIRAN	030
TIMELESS	030
TIME WARNER	043
TOCOM	039 040 056
TOSHIBA	052
UNIKA	007 014
UNITED CABLE	004 053
UNIVERSAL	005 007 014 032 035
VIEWSTAR	012 015 018 086 087 088 089
ZENITH	052 060 093 100

The Unifier

CABLE COMMAND LOCATIONS

COMMAND	BUTTON LOCATION
Power/Off	OFF
Power/On	ON
Vol+	VOL+
Vol-	VOL-
Mute	MUTE
Ch+	CH+
Ch-	CH-
LAST	PREV CH
BYPASS	T/V
Menu	MENU
Guide	GUIDE
Info	INFO
Exit	EXIT
UP	UP
DOWN	DOWN
SELECT	SELECT
LEFT	LEFT
RIGHT	RIGHT
REW	REW
FF	FF
STOP	STOP/REC
PLAY	PLAY
PAUSE	PAUSE
1	1 /SLEEP
2	2 /6.7 CH
3	3 / TEST
4	4/ THX
5	5 / DD
6	6 / DTS
7	7 / LOGIC
8	8 / ST
9	9 / SURR
0	0 / TAPE 2
10	+10 / VCR 4
Enter/MUSIC	ENTER / PH
FAV	MODE+
DAY+	SUB+
PAGE+	CENTER+
HELP	REAR+
LOCK / PPV	MODE-
DAY-	SUB-
PAGE-	CENTER-
SETTING	REAR-
RECORD	Press SHIFT first, then press STOP/REC.
A	Press SHIFT first, then press 1/SLEEP button.
B	Press SHIFT first, then press 2/6.7CH button.
C	Press SHIFT first, then press 3/TEST button.

Frequently Asked Questions

Why does the display change whenever you press the buttons at the top of the remote?

The Unifier is actually eight remote controls in one. The LCD display shows you which of your components it is currently set to control. When you press one of the eight DEVICE buttons (those labeled AUDIO, CD, DVD, etc.), the Unifier changes the functions of all of other buttons to control that component.

Why does the display flash at me sometimes?

The Unifier has an extra "hidden" command (usually a power user or hobbyist feature) on some of your buttons. This command is issued instead of the normal command if you press the SHIFT button first. Once you have pressed the SHIFT button, the display will flash for ten seconds. If you press it by accident, you can stop the SHIFT flashing by pressing the SHIFT button or the LIGHT button.

Can I program the Unifier on a computer?

No, the Unifier is only programmed by the methods explained in this manual and the Quick Setup DVD tutorial.

What is a "Macro"?

A "macro" is a very useful way to make a lot of things happen with one button push. For example, in most home theaters to watch television, the user must turn on the TV, then turn on the Cable Box or the Satellite Receiver, then turn on the Surround Sound system for sound. Instead of pressing all of those buttons one at a

time, the Unifier enables you to "record" all of them to play back with one button push. For more information on how and why you should program macros, watch the Quick Setup DVD tutorial or read pages 17-18.

If the batteries run out, will I lose my settings?

No. The Unifier stores all of your settings in non-volatile FLASH memory. You could remove the batteries for months, replace them at your convenience and the Unifier would still remember your settings.

Who can I call for more answers?

The Universal Remote Control technical support and customer service staff are ready to answer any questions you might have.

Call us at 1-914-835-4484
Monday - Friday, 9AM to 6PM (EST)

Warranty

The URC-100 is covered against any manufacturers
defects or workmanship for a period of one year from
the date of purchase if purchased from an authorized
Universal Remote Control dealer. Units purchased
from online auction sites or other unauthorized
resellers have no warranty. This warranty does not
cover the following items:

-Damage from misuse, neglect, or acts of nature.
-Products that have been modified or incorporated into
 other products.
-Products purchased more than 12 months ago.
-Units purchased from unauthorized dealers or
 companies.

Specifications

Learning Capability - 424 IR commands at standard
frequencies (15kHz to 100kHz)
Macro Capability - 24 Macros of up to 50 steps each
IR Range (Line of Sight via Infrared): 30-50 feet,
depending on the environment
RF Range (radio frequency): 50 to 100 feet, depending
upon the environment
RF Frequency: 418MHz
Weight: 8 oz. (with batteries)
Size: 9.6" x 3.75" x 1"
Batteries: Four AAA Alkaline batteries included
LCD Size: 1.25" x .5"